

USE OF HIGH-ABSORPTION-CAPACITY PRECIPITATED SILICA FOR
THE PRODUCTION OF A COLORANT BY MEANS OF IMPREGNATION
WITH AN INORGANIC PIGMENT, THE COLORANT THUS OBTAINED
AND THE APPLICATION THEREOF IN THE COLOURING OF CERAMIC
5 MATERIALS

Abstract of the Disclosure

The invention relates to the use of precipitated silica
10 having a DOP oil absorption of at least 260 ml/100g as
a raw material in order to produce a colorant by
impregnating said silica with an inorganic pigment in
the form of a soluble salt and, in particular, with an
inorganic pigment based on soluble iron sulphate. The
15 invention also relates to a colorant that can be
produced by calcinating and, optionally, grinding a
precipitated silica with a DOP oil absorption of at
least 260 ml/100g which has already been impregnated
using an inorganic pigment in the form of a soluble
20 salt, such as a soluble iron sulphate-based inorganic
pigment. The colorant thus obtained can be used to dye
ceramic materials, such as ceramic tiles, and
bituminous or hydraulic binding materials.